

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/50, 998A 09/548,998

RF Processing Date: 9/24/01 #8
 Edited by: M. Spurr
 Verified by: _____ (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: **ENTERED**
see page 5
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form. 3/1/95

#8

OIEP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/548,998A

DATE: 09/24/2001
TIME: 16:35:51

Input Set : A:\BC1002 US NA Revised Seq Listing.txt
Output Set: N:\CRF3\09242001\I548998A.raw

5 <110> APPLICANT: Ebersole, Richard C.
7 Hendrickson, Edwin
11 <120> TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS FOR THE IDENTIFICATION OF
DECHLORINATING

12 BACTERIA
16 <130> FILE REFERENCE: BC1002 US NA
20 <140> CURRENT APPLICATION NUMBER: US 09/548,998A
C--> 22 <141> CURRENT FILING DATE: 2001-09-10
26 <150> PRIOR APPLICATION NUMBER: 60/129,511
28 <151> PRIOR FILING DATE: 1999-04-15
32 <160> NUMBER OF SEQ ID NOS: 60
36 <170> SOFTWARE: Microsoft Office 97
40 <210> SEQ ID NO: 1

42 <211> LENGTH: 24
44 <212> TYPE: DNA
46 <213> ORGANISM: Dehalococcoides ethenogenes
50 <400> SEQUENCE: 1

51 attttctagc gagactgccc cgcg

24

54 <210> SEQ ID NO: 2

56 <211> LENGTH: 1377

58 <212> TYPE: DNA

60 <213> ORGANISM: Dehalococcoides ethenogenes

64 <400> SEQUENCE: 2

65 gatgaacgct agcggcgctgc cttatgcatg caagtcgaac ggtcttaagc aattaagata	60
67 gtggcaaacg ggtgagtaac gcgtaagtaa cctacctcta agtgggggat agcttcggga	120
69 aactgaaggt aataccgcat gtgatgggct gacataagtc ggttcattaa agccgcaagg	180
71 tgcttggtga ggggcttgcg tccgattagc tagttggtgg ggtaatggcc taccaaggct	240
73 tcgatcggtga gctggtctga gaggatgatc agccacactg ggactgagac acggcccaga	300
75 ctctacggg aggcagcagc aaggaatctt gggcaatggg cgaaagcctg acccagcaac	360
77 gccgcgtgag ggtggaaggc ttctggggtt taaacctctt ttcacaggga agaataatga	420
79 cggtacctgt ggaataagct tcggctaact acgtgccagc agccgcggtg atacgtagga	480
81 agcaagcgtt atccggattt attgggcgta aagtgagcgt aggtggtctt tcaagttgga	540
83 tgtgaaattt cccggcttaa ccgggacgtg tcattcaata ctggttgact agagtacagc	600
85 aggagaaaac ggaattcccg gtgtagtggt aaaatgcgta gatatcgga ggaacaccag	660
87 aggcgaaggc ggttttctag gttgtcactg acactgaggg tcgaaagcgt ggggagcgaa	720
89 cagaattaga tactctggtg gtccacgcct taaactatgg acactaggta tagggagtat	780
91 cgacctctc tgtgccgaag ctaacgctyt aagtgtcccg cctggggagt acggtcgcaa	840
93 ggctaaaact caaaggaatt gacggggggc cttacaagca gcggagcgtg tggtttaatt	900
95 cgatgctaca cgaagaacct taccaagatt tgacatgcac gaagttagta accgaaaggg	960
97 aaacgacctg ttaagtcagg agtttgaca ggtgctgcac ggctgtcgtc agctcgtgcc	1020
99 gtgaggtggt tggttaagtc ctgcaacgag cgcaaccctt gttgctagtt aaattttcta	1080
101 gcgagactgc cccgcgaaac ggggaggaag gtgggggatga cgtcaagtca gcatggcctt	1140
103 tatatcttgg gctacacaca cgctacaatg gacagaacaa taggttgcaa cagtgtgaac	1200
105 tggagctaat ccccaaagct gtcctcagtt cggattgcag gctgaaaccc gcctgcatga	1260
107 agttggagtt gctagtaacc gcatatcagc aaggtgcggt gaatacgttc tcgggccttg	1320
109 tacacacgcg ccgtcacgtc atgaaagccg gtaacacttg aagtcgatgt gcccaacc	1377
112 <210> SEQ ID NO: 3	
114 <211> LENGTH: 1378	

ENTERED

See page 5

RAW SEQUENCE LISTING

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Input Set : A:\BC1002 US NA Revised Seq Listing.txt
 Output Set : N:\CRF3\09242001\I548998A.raw

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116 <212> TYPE: DNA
118 <213> ORGANISM: Dehalococcoides ethenogenes
122 <400> SEQUENCE: 3
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127 aactgaaggt aataccgcat gtggtgggccc gacataagtt ggttcactaa agccgtaagg      180
129 tgcttggtga ggggcttgcg tccgattagc tagttggtgg ggtaacggcc taccaaggct      240
131 tcgatcggta gcttgggtctg agaggatgat cagccacact gggactgaga cacggcccag      300
133 actcctacgg gaggcagcag caaggaatct tgggcaatgg gcgaaagcct gaccagcaa      360
135 cgccgcgtga gggatgaagg ctctcgggtt gtaaacctct ttccacaggg aagaataatg      420
137 acggtacctg tggaataagc ttoggctaac tacgtgccag cagccgcggt aatacgtagg      480
139 aagcaagcgt tatccgattt tattgggcgt aaagtgagcg taggtggtct ttcaagttgg      540
141 atgtgaaatt tcccggctta accgggacgt gtcattcaat actgttgga ctaggtacag      600
143 caggagaaaa cggaattccc ggtgtagtgg taaaatgcgt agatatcggg aggaacacca      660
145 gaggcgaagg cggttttcta ggttgctact gacactgagg ctcgaaagcg tggggagcga      720
147 acagaattag atactctggt agtccacgcc ttaactatg gacactaagt ataggagta      780
149 tcgaccctct ctgtgccgaa gctaaccgtt taagtgtccc gcctggggag tacggtcgca      840
151 aggctaaaac tcaaaaggaat tgacgggggc ccgcacaagc agcggagcgt gtggtttaat      900
153 tcgatgctac acgaagaacc ttaccaagat ttgacatgca tgaagtatg aaccgaaagg      960
155 gaaacgacct gttaagtcag gaggttgcac aggtgctgca tggctgtcgt cagctcgtgc     1020
157 cgtgaggtgt ttggttaagt cctgcaacga gcgcaacct tgttgctagt taaattttct     1080
159 agcgagactg ccccgcgaaa cggggaggaa ggtgggggat acgtcaagtc agcatggcct     1140
161 ttatatcttg ggctacacac acgctacaat ggacagaaca ataggttgca acagtgtgaa     1200
163 ctggagctaa tccctcaaagc tgcctcagcgt tcggattgca ggctgaaacc cgctgcatg     1260
165 aagttggagt tgctagtaac cgcataatcag caaggtgcgg tgaatacgtt ctcgggcctt     1320
167 gtacacaccg ccggtcacgt catgaaagcc ggtaaacactt gaagtcgatg tgccaacc     1378
170 <210> SEQ ID NO: 4
172 <211> LENGTH: 1377
174 <212> TYPE: DNA
176 <213> ORGANISM: Dehalococcoides ethenogenes
180 <400> SEQUENCE: 4
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183 gtggcgaacg ggtgagtaac gcgtaagtaa cctacctcta agtgggggat agcttcggga      120
185 aactgaaggt aataccgcat gtggtgggccc gacatatggt ggttcactaa agccgtaagg      180
187 cgcttggtga ggggcttgcg tccgattagc tagttggtgg ggtaatggcc taccaaggct      240
189 tcgatcggta gctggtctga gaggatgatc agccacactg ggactgagac acggcccaga      300
191 ctccctacggg aggcagcagc aaggaatctt gggcaatggg cgaaagcctg acccagcaac      360
193 gccgcgtgag ggatgaaggc ttctcgggtt taaacctctt tccataggga agaataatga      420
195 cggtacctgt ggaataagct tcggctaact acgtgccagc agccgcggtg atacgtagga      480
197 agcaagcgtt atccggattt attgggcgta aagtgagcgt aggtggtctt tcaagttgga      540
199 tgtgaaattt cccggcttaa ccgggacgag tcattcaata ctgttggaact agagtacagc      600
201 aggagaaaac ggaattcccg gtgtagtggg aaaatgcgta gatatcggga ggaacaccag      660
203 aggcgaaggc ggttttctag gttgtcactg aactgaggc tcgaaagcgt ggggagcgaa      720
205 cagaattaga tactctggta gtccacgcct taaactatgg acactaggta tagggagtat      780
207 cgaccctctc tgtgccgaag ctaacgcctt aagtgtccc cctggggagt acggtcgcaa      840
209 ggctaaaaact caaaggaatt gacgggggccc cgcacaagca gcggagcgtg tggtttaatt      900
211 cgatgctaca cgaagaacct taccaagatt tgacatgcat gtagtagtga actgaaaggg      960
213 gaacgacctg ttaagtcagg aacttgcaca ggtgctgcat ggctgtcgtc agctcgtgcc     1020
215 gtgaggtgtt tgggttaagtc ctgcaacgag cgcaaccctt gttgctagtt aaattttcta     1080

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217 gcgagactgc cccgcgaaac ggggaggaag gtggggatga cgtcaagtca gcatggcctt 1140
219 tatatcttgg gctacacaca cgctacaatg gacagaacaa taggttgcaa cagtgtgaac 1200
221 tggagctaata ccccaaagct gtccctcagtt cggattgcag gctgaaaccc gcctgcatga 1260
223 agttggagtt gctagtaacc gcatatcagc atgggtgcgtt gaatacgttc tcgggccttg 1320
225 tacacaccgc ccgtcacgtc atgaaagccg gtaacacttg aagtcgatgt gcccaacc 1377
228 <210> SEQ ID NO: 5
230 <211> LENGTH: 1377
232 <212> TYPE: DNA
234 <213> ORGANISM: Dehalococcoides ethenogenes
238 <400> SEQUENCE: 5
239 gatgaacgct agcggcgtgc cttatgcatg caagtccaac ggtcttaagc aattaagata 60
241 gtggcgaacg ggtgagtaac gcgtaagtaa cctacctcta agtgggggat agcttcggga 120
243 aactgaaggt aataccgcat gtggtgggccc gacatatgtt ggttcactaa agccgtaagg 180
245 cgcttggtga ggggcttgccg tccgattagc tagttggttg ggtaacggcc taccaaggct 240
247 tcgatcggtg gctggtctga gaggatgac agccacactg ggactgagac acggcccaga 300
249 ctccctacgg aggcagcagc aaggaatctt gggcaatggg cgaaagcctg acccagcaac 360
251 gccgcgtgag ggatgaaggc ttctcggttg taaacctctt ttcacaggga agaataatga 420
253 cggtagctgt ggaataagct tcggctaact acgtgccagc agccgcggta atacgtagga 480
255 agcaagcgtt atccggattt attgggcgta aagtgcgctt aggtggtctt tcaagttgga 540
257 tgtgaaatth cccggcttaa ccgggacgag tcaattcaata ctggttgact agagtacagc 600
259 aggagaaaac ggaattcccg gtgtagtggt aaaatgcgta gatatcgga ggaacaccag 660
261 aggcgaaggc ggttttctag gttgtcactg acactgaggc tcgaaagcgt ggggagcgaa 720
263 cagaattaga tactctggta gtccacgcct taaactatgg acactaggta tagggagtat 780
265 cgaccctctc tgtgccgaag ctaacgcttt aagtgtcccg cctggggagt acggtcgcaa 840
267 ggctaaaact caaagggaatt gacgggggccc cgcacaagca gcggagcgtg tggtttaatt 900
269 cgatgctaca cgaagaacct taccaagatt tgacatgcat gtagtagtga actgaaaggg 960
271 gaacgacctg ttaagtcagg aactgcaca ggtgctgcat ggctgtcgtc agctcgtgcc 1020
273 gtgaggtggt tggttaagtc ctgcaacgag cgcaaccctt gttgctagtt aaatthtcta 1080
275 gcgagactgc cccgcgaaac ggggaggaag gtggggatga cgtcaagtca gcatggcctt 1140
277 tatatcttgg gctacacaca cgctacaatg gacagaacaa taggttgcaa cagtgtgaac 1200
279 tggagctaata ccccaaagct gtccctcagtt cggattgcag gctgaaaccc gcctgcatga 1260
281 agttggagtt gctagtaacc gcatatcagc atgggtgcgtt gaatacgttc tcgggccttg 1320
283 tacacaccgc ccgtcacgtc atgaaagccg gtaacacttg aagtcgatgt gcccaacc 1377
286 <210> SEQ ID NO: 6
288 <211> LENGTH: 1377
290 <212> TYPE: DNA
292 <213> ORGANISM: Dehalococcoides ethenogenes
296 <400> SEQUENCE: 6
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299 gtggcaaacg ggtgagtaac gcgtaagtaa cctacctcta agtgggggat agcttcggga 120
301 aactgaaggt aataccgcat gtggtgggccc gacataagtt ggttcactaa agccgtaagg 180
303 tgcttggtga ggggcttgccg tccgattagc tagttggttg ggtaacggcc taccaaggct 240
305 tcgatcggtg gctggtctga gaggatgac agccacactg ggactgagac acggcccaga 300
307 ctccctacgg aggcagcagc aaggaatctt gggcaatggg cgaaagcctg acccagcaac 360
309 gccgcgtgag ggatgaaggc tctcggttg taaacctctt ttcacaggga agaataatga 420
311 cggtagctgt ggaataagct tcggctaact acgtgccagc agccgcggta atacgtagga 480
313 agcaagcgtt atccggattt attgggcgta aagtgcgctt aggtggtctt tcaagttgga 540
315 tgtgaaatth cccggcttaa ccgggacgtg tcattcaata ctggttgact agagtacagc 600
317 aggagaaaac ggaattcccg gtgtagtggt aaaatgcgta gatatcgga ggaacaccag 660

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RAW SEQUENCE LISTING

DATE: 09/24/2001

PATENT APPLICATION: US/09/548,998A

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Input Set : A:\BC1002 US NA Revised Seq Listing.txt

Output Set: N:\CRF3\09242001\I548998A.raw

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319 aggcgaagggc ggttttctag gttgtcactg acactgaggc tcgaaagcgt ggggagcgaa 720
321 cagaattaga tactctggta gtccacgcct taaactatgg acactaggta tagggagtat 780
323 cgaccctctc tgtgccgaag ctaacgcttt aagtgtcccg cctggggagt acggtcgcaa 840
325 ggctaaaaact caaaggaatt gacggggggc cgcacaagca ggggagcgtg tggtttaatt 900
327 cgatgctaca cgaagaacct taccaagatt tgacatgcat gaagtagtga accgaaaggg 960
329 aaacgacctg ttaagtcagg agtttgcaca ggtgctgcat ggctgtcgtc agctcgtgcc 1020
331 gtgaggtggt tggttaagtc ctgcaacgag cgcaaccctt gttgctagtt aaattttcta 1080
333 gcgagactgc cccgcgaaac ggggaggaag gtggggatga cgtcaagtca gcatggcctt 1140
335 tatactcttg gctacacaca cgctacaatg gacagaacaa taggttgcaa cagtgtgaac 1200
337 tggagctaata cctcaaagct gtcctcagtt cggattgcag gctgaaaccc gcttgcata 1260
339 agttggagtt gctagtaacc gcatatcagc aaggtgcggt gaatacgttc tcgggccttg 1320
341 tacacaccgc cgtcacgtc atgaaagccg gtaacacttg aagtcgatgt gcccaacc 1377
344 <210> SEQ ID NO: 7
346 <211> LENGTH: 1443
348 <212> TYPE: DNA
350 <213> ORGANISM: Dehalococcoides ethenogenes
354 <220> FEATURE:
356 <221> NAME/KEY: misc_feature
358 <222> LOCATION: (1353)..(1353)
360 <223> OTHER INFORMATION: N = A or G or C or T/U, unknown or other (any)
364 <400> SEQUENCE: 7
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367 gtggcaaacg ggtgagtaac gcgtaagtaa cctacctcta agtgggggat agcttcggga 120
369 aactgaaggt aataccgcat gtgatgggct gacataagtc ggttcattaa agccgcaagg 180
371 tgcttggtga ggggcttgcg tccgattagc tagttgggtg ggtaatggtc taccaaggct 240
373 tcgatcggtg gctggctctg gaggatgatc agccacactg ggactgagac acggggccaga 300
375 ctctacggg aggcagcagc aaggaatctt gggcaatggg cgaaagcctg acccagcaac 360
377 gccgcgtgag ggatgaaggc ttcggggttg taaacctctt ttcacaggga agaataatga 420
379 cggtacctgt ggaataagct tcggctaact acgtgccagc agccgcggta atacgtaggg 480
381 aagcaagcgt tatccggatt tattgggcgt aaagtgagcg taggtggtct ttcaagttgg 540
383 atgtgaaatt tcccggctta accgggacgt gtcattcaat actgttgagc tagagtacag 600
385 caggagaaaa cggaattccc ggtgtagtgg taaaatgcgt agatatcggg aggaacacca 660
387 gaggcgaagg cggttttcta ggtgtcact gacactgagg ctcgaaagcg tggggagcga 720
389 acagaattag atactctggg agtccacgcc ttaaactatg gacactaggt atagggagta 780
391 tcgaccctct ctgtgccgaa gctaacgctt taagtgtccc gcctggggag tacggtcgca 840
393 aggcataaac tcaaaggaat tgacgggggc ccgcacaagc agcggagcgt gtggtttaat 900
395 tcgatgctac acgaagaact taccaagatt tgacatgcat gaagtagtga accgaaaggg 960
397 aaacgacctg ttaagtcagg agtttgcaca ggtgctgcat ggctgtcgtc agctcgtgcc 1020
399 gtgaggtggt gggtttaagtc ctgcaacgag cgcaaccctt ttgctagtta aattttctag 1080
401 cgagactagc gagactgcc cgcgaaacgg ggaggaaggt ggggatgacg tcaagtcagc 1140
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405 gtgtgaactg gagctaattc ccaaagctgt cctcagttcg gattgcaggc tgaaacccgc 1260
407 ctgcatgaag ttggagttgc tagtaaccgc atatcagcaa ggtgcggtga atacgttctc 1320
W--> 409 gggccttgta cacaccgcc gtcacgtcat ganagccggt aacacttgaa gtcgatgtgc 1380
411 caaccgcaag gaggcagtcg ccgagggtgg gactggtaat tgggacgaag tcgtaacaag 1440
413 gta 1443
416 <210> SEQ ID NO: 8
418 <211> LENGTH: 47
420 <212> TYPE: DNA

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/548,998A

DATE: 09/24/2001
TIME: 16:35:51

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Output Set: N:\CRF3\09242001\I548998A.raw

422 <213> ORGANISM: Artificial Sequence
426 <220> FEATURE:
428 <223> OTHER INFORMATION: Consensus sequence derived from DHE-PL, DHE-STF, DHE-DAB,
DHE-PIN
429 and DHE-DLL at bases E180-E226.
431 <220> FEATURE:
433 <221> NAME/KEY: misc_feature
435 <222> LOCATION: (5)..(5)
437 <223> OTHER INFORMATION: R = A or G
441 <220> FEATURE:
443 <221> NAME/KEY: misc_feature
445 <222> LOCATION: (11)..(11)
447 <223> OTHER INFORMATION: Y = C or T
451 <220> FEATURE:
453 <221> NAME/KEY: misc_feature
455 <222> LOCATION: (18)..(18)
457 <223> OTHER INFORMATION: W = A or T
461 <220> FEATURE:
463 <221> NAME/KEY: misc_feature
465 <222> LOCATION: (21)..(21)
467 <223> OTHER INFORMATION: Y = C or T
471 <220> FEATURE:
473 <221> NAME/KEY: misc_feature
475 <222> LOCATION: (28)..(28)
477 <223> OTHER INFORMATION: Y = C or T
481 <220> FEATURE:
483 <221> NAME/KEY: misc_feature
485 <222> LOCATION: (37)..(37)
487 <223> OTHER INFORMATION: Y = C or T
491 <220> FEATURE:
493 <221> NAME/KEY: misc_feature
495 <222> LOCATION: (42)..(42)
497 <223> OTHER INFORMATION: Y = C or T
501 <400> SEQUENCE: 8
502 tgtgrtgggc ygacatawgt yggttcayta aagccgyaag gygcttg 47
505 <210> SEQ ID NO: 9
507 <211> LENGTH: 20
509 <212> TYPE: DNA
511 <213> ORGANISM: Dehalococcoides ethenogenes
515 <400> SEQUENCE: 9 20
516 aagtcgaacg gtcttaagca
519 <210> SEQ ID NO: 10
521 <211> LENGTH: 20
523 <212> TYPE: DNA
525 <213> ORGANISM: Dehalococcoides ethenogenes
529 <400> SEQUENCE: 10 20
530 cgtcattatt cttccctgtg
533 <210> SEQ ID NO: 11
535 <211> LENGTH: 21
537 <212> TYPE: DNA

Use of n and / or Xaa has been detected in the
Sequence Listing. Review the Sequence Listing
to ensure a corresponding explanation is present
in the <220> to <223> fields of each sequence
using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/548,998A

DATE: 09/24/2001

TIME: 16:35:52

Input Set : A:\BC1002 US NA Revised Seq Listing.txt
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L:22 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7

STATISTICS SUMMARY

PATENT APPLICATION: US/09/548,998A

DATE: 09/24/2001

TIME: 16:35:52

Input Set : A:\BC1002 US NA Revised Seq Listing.txt
Output Set: N:\CRF3\09242001\I548998A.raw

Application Serial Number: US/09/548,998A
Alpha or Numeric: Numeric
Application Class:
Application File Date: 09-10-2001
Art Unit: OIPE
Software Application: Other
Total Number of Sequences: 60
Total Nucleotides: 11396
Total Amino Acids: 0
Number of Errors: 0
Number of Warnings: 1
Number of Corrections: 1

MESSAGE SUMMARY

271 C: 1 (Current Filing Date differs)
341 W: 1 ((46) "n" or "Xaa" used)

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/548,998A

DATE: 09/20/2001
 TIME: 10:42:44

Input Set : A:\BC1002 US NA Revised Seq Listing.txt
 Output Set: N:\CRF3\09202001\I548998A.raw

5 <110> APPLICANT: Ebersole, Richard C.
 7 Hendrickson, Edwin
 11 <120> TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS FOR THE IDENTIFICATION OF
 DECHLORINATING
 12 BACTERIA
 16 <130> FILE REFERENCE: BC1002 US NA
 20 <140> CURRENT APPLICATION NUMBER: US 09/548,998A
 C--> 22 <141> CURRENT FILING DATE: 2001-09-10
 26 <150> PRIOR APPLICATION NUMBER: 60/129,511
 28 <151> PRIOR FILING DATE: 1999-04-15
 32 <160> NUMBER OF SEQ ID NOS: 60
 36 <170> SOFTWARE: Microsoft Office 97

**Does Not Comply
 Corrected Diskette Needed**

ERRORED SEQUENCES

1324 <210> SEQ ID NO: 60
 1326 <211> LENGTH: 31
 1328 <212> TYPE: DNA
 1330 <213> ORGANISM: Dehalococcoides ethenogenes
 1334 <400> SEQUENCE: 60
 1335 atccccact tagaggtagg ttacttacgc g
 E--> 1338 23

31

*Remove miscellaneous material
 at end of file.*

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/548,998A

DATE: 09/20/2001

TIME: 10:42:45

Input Set : A:\BC1002 US NA Revised Seq Listing.txt
Output Set: N:\CRF3\09202001\I548998A.raw

L:22 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:1338 M:254 E: No. of Bases conflict, LENGTH:Input:23 Counted:31 SEQ:60